



BIG DRY RESOURCE AREA RANGELAND PROGRAM SUMMARY

DECEMBER 1982

MILES CITY DISTRICT OFFICE
MILES CITY, MONTANA



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Dear Reader,

The enclosed Rangeland Program Summary is a synopsis of the Big Dry and Missouri Breaks Grazing Environmental Impact Statements (EIS) and resulting rangeland program for the entire Big Dry Resource Area. It serves as a summary and record of decision for the Big Dry EIS, as well as an update of the Missouri Breaks rangeland management program.

The EIS's summarized were written in compliance with: The National Environmental Policy Act, 1969; Council on Environmental Quality regulations; and litigation agreements (National Resources Defense Council et al vs. Rogers C.B. Morton et al 1973; U.S. District Court for the District of Columbia, ref Case #1983-73). The Missouri Breaks EIS was finalized in August 1979. The Big Dry EIS was finalized in May 1982.

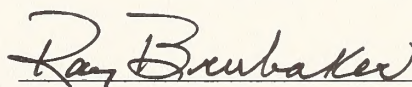
The rangeland program is essentially the same as the proposed action in the Missouri Breaks EIS and the preferred alternative in the Big Dry EIS. Tables 1 and 2 summarize management actions taken or proposed for allotments in the resource area.

Based on the analysis conducted in the EIS's and subsequent study, the following decisions have been made:

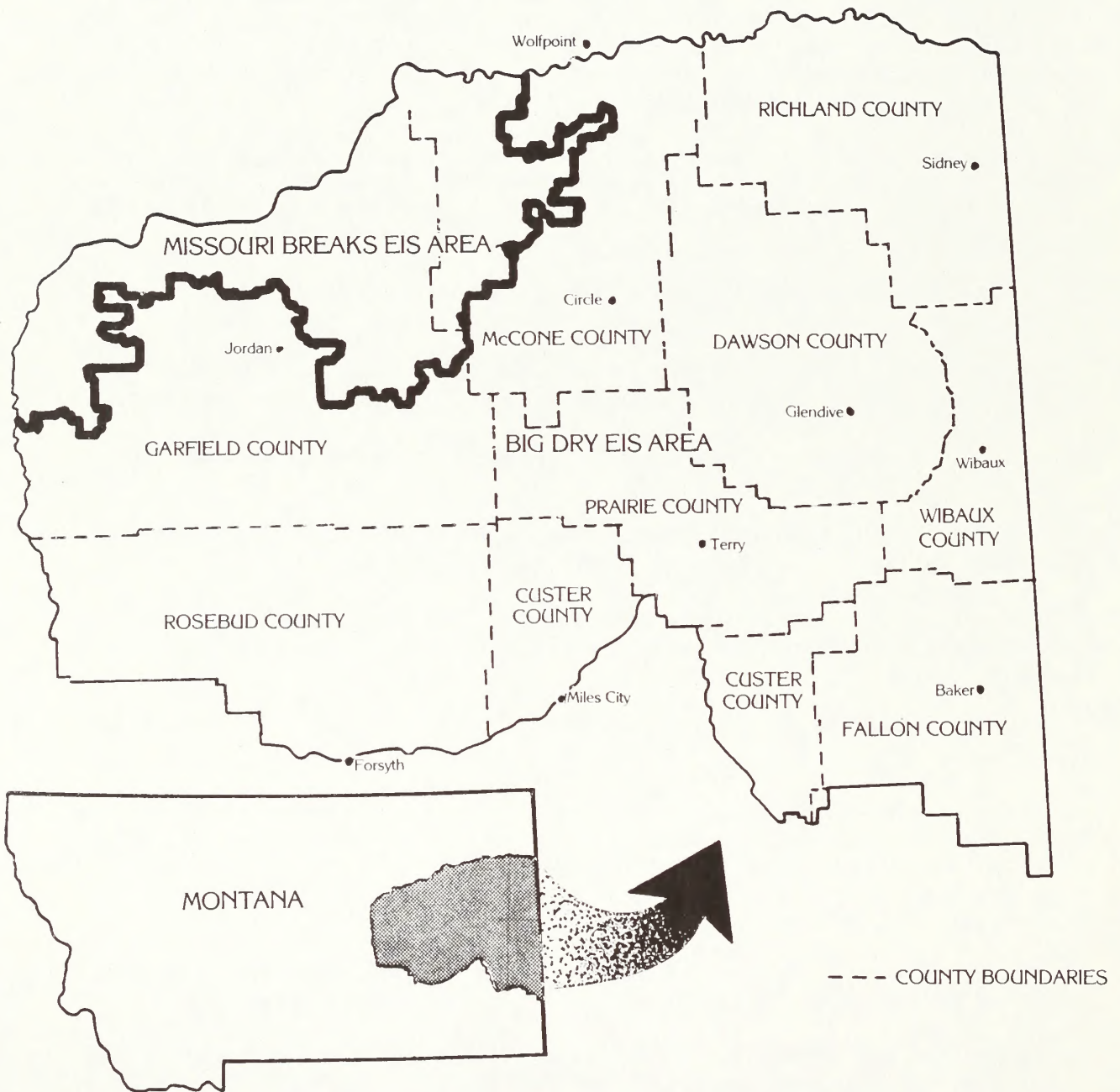
1. Changes in authorized grazing use would be made only after monitoring (actual use, utilization, condition, trend, etc.) showed their necessity.
2. Authorized livestock grazing use on public land shall be as shown in Table 2.
3. Grazing allotment operators and owners will be consulted concerning management actions to be taken on their allotments.
4. Fifty-four existing AMPs will continue, 71 allotments will be studied for AMP feasibility and/or need, and 68 potential AMPs have been reclassified to non-AMP status.
5. Initial selective management categorization of allotments is as follows: maintenance 361, improvement 235, and custodial 361.
6. Proposed decisions will be issued to the affected allotment operator, owner and lienholder of record in cases where agreement cannot be reached during consultation and coordination. Others, whose interests may be affected by the proposed action, must request that copies of proposed decisions be sent to them by writing this office no later than January 7, 1983.
7. Consultation and coordination with other land management agencies and affected parties will be an integral part of the range program.
8. Monitoring and evaluation of allotment management will be conducted as necessary and as set forth in the area monitoring plan. Management changes which result from evaluations will apply the principles discussed above.

Those wishing to comment on the attached RPS may do so by writing this office by January 7, 1983.

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Ray Brubaker, District Manager

LOCATION MAP



BACKGROUND

The Big Dry Resource Area encompasses about 1.7 million acres of public land located in east central Montana. There are also about 10.4 million acres of private, state, and other lands within the area boundaries. The area includes all or parts of 10 counties (Carter, Custer, Dawson, Fallon, Garfield, McCone, Prairie, Richland, Rosebud and Wibaux). The public lands consist of the public domain lands and the LU lands which were acquired by the United States under the Bankhead-Jones Act of 1937. Grazing administration authority is granted primarily by the Taylor Grazing Act of 1934, as amended, FLPMA and PRIA.

There are some blocks of public lands, but the land ownership pattern of most of the area consists of scattered public lands intermingled with private and state lands. The geography of the area ranges from rough river breaks and badlands to rolling prairies.

Most area watersheds are in good condition and some are in excellent condition. Areas of rough topography experience natural geologic erosion caused by the character of the landscape. Most watersheds have good cover and experience relatively little accelerated erosion.

The average ecological range condition is mid to high successional (good to excellent) with some small scattered areas in early (poor) or low (fair) successional stages. Vegetation allocation was initially made during adjudication in accordance with the formula discussed in the EIS. Allotment statistics are shown in Table 2. Grazing management consists of three types: grazing capacity, season and number, and grazing system.

Major wildlife species include deer, antelope, coyote, fox, bobcat, sage grouse, sharptail grouse, Hungarian partridges, pheasant, and various waterfowl. Various species of fish are found in the major rivers, streams, ponds and reservoirs.

THE RANGELAND PROGRAM (RP)

The rangeland program is the same as the proposed action (with modification as shown in Table 2) in the Missouri Breaks EIS and as alternative A (Continued Development for Optimum Range Utilization) in the Big Dry EIS. This program is similar to the present level of management, with increased emphasis on monitoring and allotment evaluation.

Vegetation: The allocation of vegetation would be as discussed in the EIS's and as previously discussed. Noxious weeds will be treated in an effort to control/reduce/eliminate infestations. Monitoring of vegetation changes will be an ongoing program as discussed in the area monitoring plan.

Grazing Management: Allotments have been divided into three categories. The categories are maintain, improve and custodial. Objectives for each category are: 1) maintain: maintain conditions as they are (the allotments are generally in good condition); 2) improve: improve range condition on the allotment until it qualifies as a maintain allotment (these allotments have more than 320 acres of less than good range or less than 70% of the public land is good or better); 3) custodial: low intensity management unless the resource situation requires a change to the improve category (these allotments have less than 321 acres of public land or less than 20% of the allotment is comprised of public lands, to not exceed 640 acres). A summary of the grazing management proposed in the EIS's and the current situation is shown in Table 1. All but one of the Missouri Breaks EIS proposed AMPs are associated with the Charles M. Russell National Wildlife Range, the other has an adjoining allotment in the Big Dry EIS area. Study of 67 Missouri Breaks EIS proposed AMPs showed that intensive management was not needed and AMPs were not implemented. The management proposed in the Big Dry EIS is also shown in Table 1. Those Big Dry EIS allotments shown as potential AMPs will be studied to determine the feasibility/need for intensive management. If intensive management is not required, the potential AMP allotment will return to non-AMP status. AMP's may be developed on any allotment later if the management situation warrants it.

(Insert Table 1)

Grazing systems would range from season long grazing to intensive systems such as rest rotation or high intensity/short duration. Systems would be designed to meet multiple use objectives. Adjustments or amendments to plans and systems will be made as shown necessary by monitoring.

Range Development: Land treatments as discussed in the EISs may consist of mechanical, chemical and prescribed or natural fire treatments. Range improvements include water developments (reservoirs, wells, springs, pipelines) and fencing needed for livestock management. Treatments and improvements are allotment specific and no estimate of numbers is given here. Estimates are shown in the EIS's. Control of prairie dogs will be done in accordance with the Montana BLM Prairie Dog Policy (see Big Dry EIS, Appendix 2.6).

Monitoring: The resource area monitoring plan will be completed by 1 January 1983. The monitoring plan matrix from the Big Dry EIS is shown as Table 3. Monitoring intensity will be based on the nature of the resource concerns and available staffing. Priorities will be established in the monitoring plan.

Consultation: Communication between activities within the BLM and with interested agencies, jurisdictions, and individuals will be carried out to assure multiple use management of the public rangeland.

Table 1. AMP Status

<u>EIS Area</u>	<u>Existing</u>	<u>Potential</u>	<u>Non-AMPs^{1/}</u>	<u>Total</u>
Missouri Breaks	24	9	67	100
Big Dry	30	62	1	93
TOTALS	54	71	68	193

^{1/} Based on a re-evaluation of resource conditions, economics and other factors, allotment management plans were not developed for these allotments.

RANGELAND PROGRAM EFFECTS

Each EIS describes detailed rangeland programs effects.

Watershed: Sediment and runoff would be reduced significantly and water quality would improve.

Vegetation: Ecological range condition would improve to good or excellent unless objectives specified a lesser level. Increases in vegetation would accompany the range condition improvement and would result in a general increase in the amount of vegetation available to rangeland maintenance, wildlife and livestock.

Livestock: Production and distribution would improve.

Wildlife: Crucial wildlife habitats would be improved or maintained. Wildlife numbers would remain about the same.

THE ALTERNATIVES

The alternatives of the two EIS's are similar with minor variations.

The Missouri Breaks EIS proposed action (Improved Grazing Management Program) and the Big Dry EIS Preferred Alternative (Continued Development for Optimum Range Utilization) proposed essentially the same actions and their results have been discussed previously.

The "no action" alternative (Missouri Breaks EIS: Continuation of Present Management and Big Dry EIS: No action) advocated no changes from the present situation regardless of changes which became necessary. No new grazing systems would be developed. Watershed condition would decline as would range condition and vegetation production. Wildlife habitat condition would decline. Prairie dogs and noxious weeds would increase.

The "no grazing" alternative (Missouri Breaks EIS: Elimination of Public Land Grazing; Big Dry EIS: No grazing) would eliminate livestock grazing on the public lands. No improvements would be built or maintained for livestock purposes. Watershed conditions would improve on public lands and silt and water yield would decline. Range condition and wildlife habitat conditions would improve. Habitat condition would begin to decline and vegetation stagnation would occur as vegetation approached climax. It would be extremely costly to fence the public lands.

The "reduced livestock" alternative (Missouri Breaks EIS: Reduced Levels of Livestock Use; Big Dry EIS: Enhanced Watershed Value and Wildlife Habitat) would substantially reduce livestock grazing on the public lands. Benefits to public land resources would be essentially the same as the proposed action in the long term. Watershed would improve and silt and water yield would decline. Range condition would improve where it is now less than good. Vegetation in riparian zones and areas adjacent to water would improve in condition and vigor. Wildlife habitat would improve.

The "increased livestock" alternative (Missouri Breaks EIS: Livestock Forage Maximization) would develop livestock forage to its maximum potential by using vegetation manipulation practices. The primary objective was to reduce/suppress undesirable plant species and encourage desirable productive species. This would result in a substantial decrease in wildlife habitat associated with native rangeland. Watershed conditions would improve slightly as the amount of public land in stable erosion condition classes and water infiltration rates increased.

PUBLIC INVOLVEMENT

The public's role was vital in the development of both EIS's. Public participation was actively sought during all phases of the effort (Management Framework Planning; draft AMP development for the Missouri Breaks EIS; public meetings; public opinion sampling polls, alternative development, etc.).

Letters were received from 43 and 13 respondents to the Missouri Breaks EIS and the Big Dry EIS respectively. Verbal comments were received from some respondents at public meetings and by telephone. All comments were considered in reaching the final decisions and responses to comments were included in each final EIS.

IMPLEMENTATION

Administrative Actions

This document serves to notify the public of the rangeland program and as a decision document specifying no immediate change in authorized livestock grazing use.

Management Plan Development

Proposed AMP's in the Missouri Breaks EIS may yet be implemented. The feasibility/need study of the 63 potential AMP's in the Big Dry EIS area will be completed in five years. At least 12 allotments will be studied per year and AMP's developed as needed. Priorities for study and evaluation of potential and existing AMP's is shown in Appendix 2.5 of the Big Dry EIS.

Monitoring, Evaluation, Modification and Adjustment

Allotment conditions will be monitored as discussed previously and as specified in the area monitoring plan. Evaluations will be conducted regularly to determine if changes in the allotment category or management status are needed. Should changes be necessary they will be made in full consultation with the range user and other agencies, jurisdictions, and interested parties. Any future adjustments of allocated livestock use will be based on monitoring of actual use, utilization, condition and trend. Proposed decisions would be issued if agreements could not be reached or if a change in the allocation was necessary. Decisions would follow the schedule set forth for management plan development.

Range Improvements

Improvements and treatments needed to implement the rangeland program, as it affects the individual allotment, will be based on the availability of funds. Development may be funded in several ways: contract (materials and labor

provided by the BLM); cooperative agreement, in which the BLM provides materials and the cooperator provides the labor; or cooperative agreement or range improvement permit where labor and material are provided by the cooperator. Responsibility for maintenance of livestock related improvements, which is not currently the responsibility of the range user, is now being assigned to them.

Progress Reports

Periodic updates of this Rangeland Program Summary will be made as necessary.

Table 2: Summary of Allotment Information

Legend

Column

- 1 - Grazing Record Number
- 2 - Allotment Number
- 3 - EIS Covering Allotment
- 4 - Preference
- 5 - Management Category

C = Custodial = <321 Acres or <20% PL. if <641 Acres
I = Improve = >30% or >320 Acres of PL is less than Good
M = Maintain = None of the above

- 6 - Management Proposed in EIS:

Blank = Non AMP
P = Proposed (MB-EIS) or Potential (BD-EIS) AMP
E = Existing AMP

- 7 - Management Situation Since EIS Completion

N/Blank = Non AMP
P = Proposed (MB) or Potential (BD) AMP
E = Existing AMP
(GR) = Joining CMR-National Wildlife Range
(SCS) = USDA-SCS Range Plan

Information is displayed the first time it occurs on common allotments.
Subsequent occurrences are cited. Refer to the appropriate EIS for location of
allotments by number.

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2000	0001	BD	874	M			See #	2038 -	0048				
2002	0003	MB	76	M			2039	0050	BD	12	C		
	0480	BD	29	M			2040	0051	BD	36	C		
	0494	MR	306	M			2041	0052	BD	478	M		
	0495	MR	131	M			2042	0053	BD	283	M		
2003	0004	BD	757	I	P	P	2043	0054	BD	18	C		
2004	0005	BD	20	C			2044	0055	BD	128	C		
2005	0006	BD	24	C			2045	0056	BD	28	C		
2006	0007	BD	8	C			2046	0057	MB	306	I	P	N
2007	0008	BD	36	C			2047	0058	BD	74	C		
2008	0010	BD	34	C			2048	0059	BD	2170	M		
2009	0011	MB	567	M	P	N	2050	0061	MB	324	M	P	N
2010	0012	BD	101	I				0493	MB	22	See #	2050 -	0061
2011	0013	BD	349	M			2051	0062	BD	121	C		
	0433	BD	267	M			2052	0063	MB	102	M	P	N
2012	0014	MB	88	I	P	N	2053	0064	BD	210	M		
	0015	MB	7	C			2054	0065	MB	1403	M	P	N
2013	0016	BD	39	C			2055	0065	MR	520	See #	2054 -	0065
2014	0017	BD	136	C				0066	MB	502	M	P	N
2015	0018	MB	3071	I	P	N		0067	MR	1668	See #	2555 -	0066
2016	0019	MB	421	M	P	N	2056	0065	MR	340	See #	2054 -	0065
2017	0020	MB	600	M	P	N	2057	0068	MR	286	M		
2018	0021	MR	285	M	P	N		0069	MR	48	M		
2019	0022	BD	20	C			2058	0070	MB	20	M	P	N
2020	0024	MR	2699	M	P	P (GR)		0450	MB	552	See #	2058 -	0070
	0025	MR	1799	See #	2020 -	0024		0451	MB	967	See #	2058 -	0070
	0026	MR	456	M	P	N		0452	MB	107	M		
2021	0028	BD	163	M			2059	0071	BD	110	I		
	0029	BD	18	M				0072	BD	49	I		
2022	0030	MR	130	I	P	N		0073	BD	481	I		
2023	0031	MR	133	C			2060	0074	MR	88	M	P	N
2024	0032	MR	1292	I				0153	MR	44	See #	2060 -	0074
	0033	MR	522	I			2061	0075	BD	93	C		
2025	0034	MR	194	I			2062	0076	BD	7	C		
	0035	MR	37	I			2063	0077	BD	148	M		
2026	0036	MR	142	I			2064	0139	MR	400	I	P	N
2027	0037	BD	24	C			2065	0078	BD	43	C		
2028	0038	BD	301	M			2066	0079	BD	114	C		
2029	0039	MR	60	M	P	N	2067	0080	MR	552	M	P	N
2030	0040	MR	2873	M	E	E	2068	0081	MR	6	C		
2034	0044	BD	21	C				0082	MR	272	M	P	N
2035	0045	BD	55	C			2069	0082	MR	235	See #	2068 -	0082
2036	0046	BD	124	M			2070	0083	BD	12	C		
2037	0047	MR	481	M	P	P (GR)	2071	0084	MR	626	M	P	N
2038	0048	MR	4583	I	E	E		0085	MR	197	See #	2071 -	0084

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2072	0086	BD	12	C			2115	0136	BD	253	M		
2073	0087	BD	257	C			2116	0137	MB	61	I		
2074	0088	MR	400	M	P	N		0138	MB	58	I		
2075	0089	BD	406	C			2117	0140	BD	288	C		
2076	0090	MB	416	M	P	N	2118	0141	MB	954	M	P	E
2077	0091	BD	32	C			2119	0143	BD	64	C		
2078	0092	MB	280	M	P	N	2120	0144	BD	84	C		
2079	0093	MR	1576	M	P	E	2121	0145	BD	132	C		
2080	0094	BD	384	M			2122	0146	BD	38	C		
2081	0095	MR	85	C	P	N	2123	0147	BD	33	C		
2082	0097	MB	85	M	P	N	2124	0148	MB	1063	M	E	E
	0098	MB	235	See # 2082 - 0098			2125	0149	MB	54	C		
2083	0099	BD	12	C			2126	0150	BD	236	I		
2084	0100	BD	659	I	E	E	2127	0151	BD	140	M		
	0101	BD	30	See # 2084 - 0100			2128	0152	BD	33	C		
2085	0102	MR	688	I	P	N	2129	0154	MR	244	M	P	N
2086	0103	BD	9	C			2130	0155	MB	990	M	P	E
2087	0104	BD	180	M			2131	0156	BD	121	I	P	N
2088	0105	BD	216	M			2132	0157	BD	81	C		
2089	0106	BD	14	C			2133	0158	MB	2092	M	P	P(GR)
2090	0107	BD	25	C			2134	0119	MB	251	I		
2091	0108	MR	369	M	P	N	2135	0026	MR	119	See # 2020 - 0026		
2092	0109	MR	133	M	P	N		0159	MR	53	C		
2094	0111	MR	64	M	P	N	2136	0160	BD	11	C		
	0112	MR	456	See # 2094 - 0111			2137	0161	BD	32	C		
2096	0114	BD	24	C			2138	0162	BD	40	C		
2097	0115	BD	11	C			2139	0163	MR	350	M	P	N
2098	0116	BD	264	I	P	N	2140	0164	BD	1311	M		
2099	0117	MR	1090	M	P	N	2141	0165	BD	111	C		
2100	0026	MR	235	See # 2020 - 0026			2142	0166	BD	84	C		
	118	MR	120	I			2143	0167	BD	51	C		
	0120	MR	59	I			2144	0168	BD	3129	I	P	P
2101	0121	MR	202	C				0169	BD	2057	See # 2144 - 0168		
2102	0122	MR	228	I	P	N		0170	BD	764	See # 2144 - 0168		
2103	0124	MR	481	I				0171	BD	1754	See # 2144 - 0168		
2104	0125	MR	533	M	E	E	2145	0172	BD	414	M		
2105	0126	MR	267	I				0173	BD	253	M		
2106	0127	MR	325	M	P	N	2146	0174	MR	488	M	P	N
	0128	MR	895	See # 2106 - 0127			2147	0175	BD	11	C		
2107	0129	MR	380	C			2148	0176	BD	104	C		
2109	0130	BD	14	M	P	P	2149	0177	BD	11	C		
	0131	BD	573	See # 2109 - 0130			2150	0178	MR	141	M	P	N
2111	0132	MR	1014	M	P	P		0179	MR	66	See # 2150 - 0178		
2113	0134	BD	679	I				0180	MR	72	See # 2150 - 0178		
2114	0135	BD	108	C				0181	MR	103	See # 2150 - 0178		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2151	0182	BD	48	C			2190	0225	BD	89	C		
2152	0183	MB	2974	M	P	E	2191	0226	BD	38	C		
2153	0184	MB	138	I	P	N	2192	0227	BD	29	C		
	0455	MB	500	See #	2153 - 0184		2193	0228	BD	276	M		
2154	0431	MR	229	M			2194	0229	BD	52	C		
2155	0185	BD	27	C			2195	0230	BD	197	M		
2156	0186	BD	138	M			2196	0231	BD	18	C		
2157	0187	MB	112	M	P	N	2197	0232	BD	132	M		
	0188	MB	203	See #	2157 - 0187		2198	0234	MB	70	M	P	N
2158	0189	BD	23	C				0235	MR	28	M		
2159	0190	BD	64	I			2199	0234	MB	78	See #	2198 - 0234	
2160	0191	BD	46	C				0236	MR	44	M		
2161	0192	BD	66	C			2200	0237	BD	46	C		
2162	0193	BD	60	C			2201	0238	BD	215	I		
2163	0194	BD	7	C			2202	0239	BD	136	C		
2164	0195	BD	169	M			2203	0470	BD	91	C		
2165	0196	MB	1248	M	P	E	2204	0107	BD	25	See #	2090 - 0107	
2166	0197	MB	399	M	P	N		0241	BD	379	M		
	0198	MB	179	See #	2166 - 0197		2205	0242	MR	213	I		
2167	0199	BD	710	M			2206	0243	BD	895	I		
2168	0200	BD	74	C			2207	0244	MB	2872	M	P	P(GR)
2169	0201	BD	495	M				0462	MR	161	See #	2207 - 0244	
2170	0202	BD	200	M			2208	0245	BD	22	C	P	P
2171	0203	BD	187	M			2209	0246	BD	12	C		
2172	0204	BD	780	M			2210	0247	BD	104	C		
2173	0205	MB	273	M	P	N	2211	0248	MB	24	M	P	N
2174	0206	BD	42	C				0249	MR	296	See #	2211 - 0248	
2175	0207	MB	120	I	P	N	2212	0250	MB	486	M	P	N
	0208	MB	205	See #	2175 - 0207		2213	0251	MB	216	M		
2176	0209	BD	91	C			2214	0252	MB	112	M	P	N
2177	0210	BD	3	C				0453	MR	230	See #	2214 - 0252	
2178	0211	MR	162	I				0454	MR	190	M		
2179	0212	BD	1133	M			2215	0253	MR	252	M	P	N
2180	0213	BD	118	C				0254	MB	42	See #	2215 - 0253	
2181	0214	BD	14	C			2216	0255	MB	2673	M	P	P(GR)
2182	0215	BD	141	M			2217	0256	BD	410	I	P	P
2183	0216	BD	1420	I			2218	0257	BD	69	C		
2184	0217	BD	252	M			2219	0258	BD	152	I	P	P
	0218	BD	61	M			2220	0259	MR	200	I		
2185	0219	BD	36	C			2221	0260	BD	96	C		
2186	0220	MR	18	C	P	N	2222	0261	BD	252	M		
	0221	MR	41	C			2223	0262	BD	1460	I	P	P
2187	0222	BD	180	M			2224	0263	MR	1104	M	P	E
2188	0223	BD	334	M			2225	0264	BD	180	C	P	P
2189	0224	BD	9	C			2226	0265	BD	346	M		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2227	0266	MR	25	C			2268	0308	BD	40	C		
2228	0267	BD	350	M			2269	0309	BD	121	M		
2229	0268	MR	121	M	P	E	2270	0014	MR	68	See #	2012 - 0014	
	0269	MR	721	See #	2229 - 0268			0310	MR	143	I		
	0430	MR	270	See #	2229 - 0268		2271	0311	BD	10	C		
	0488	MR	188	See #	2229 - 0268		2272	0312	BD	160	M		
2230	0270	BD	84	C			2273	0313	MR	231	M	P	N
2231	0271	BD	47	C			2274	0314	MR	28	C		
2232	0272	MR	818	I	P	P(GR)	2275	0315	BD	33	C		
2233	0273	BD	170	M			2276	0316	BD	48	C		
2234	0274	BD	259	M			2277	0317	BD	18	C		
2235	0275	BD	161	C			2278	0318	MR	81	C		
2236	0276	MR	27	M	P	N	2279	0014	MR	355	See #	2012 - 0014	
	0277	MR	686	See #	2236 - 0276		2281	0014	MR	332	See #	2012 - 0014	
2237	0278	BD	271	M				0319	MR	22	I		
2238	0279	MR	527	M	P	E	2282	0320	MR	1875	M	P	N
2239	0280	BD	397	M	P	P	2283	0321	MR	384	M	P	N
2240	0281	BD	169	M			2284	0322	MR	864	M	P	N
2241	0282	BD	778	M			2286	0323	MR	7	C		
2242	0283	MR	1370	M	E	E	2287	0324	BD	12	C		
	0284	MR	75	See #	2242 - 0283		2288	0325	BD	91	C		
2244	0286	MR	1587	M	P	N	2289	0326	BD	12	C		
	0489	MR	14	See #	2244 - 0286		2290	0327	BD	192	M		
2245	0287	MR	138	I			2291	0328	BD	244	I		
	0466	MR	46	I			2292	0329	BD	372	M	P	P
2248	0288	BD	39	C			2293	0330	BD	114	C		
2249	0289	BD	480	M			2294	0331	BD	8	C		
2250	0290	MR	102	See #	2367 - 0290		2295	0332	BD	24	C		
	0291	MR	18	I			2296	0333	BD	486	M		
2251	0292	BD	288	M			2297	0334	BD	115	M		
2252	0293	BD	489	I			2298	0335	BD	8	C		
2253	0294	MR	1406	M	P	E	2299	0336	BD	23	C		
2254	0295	MR	599	I			2300	0337	BD	60	M		
2255	0296	MR	577	M	P	N	2301	0338	BD	90	M		
2256	0297	MR	393	M	P	N		0339	BD	171	M		
2257	0298	BD	1378	I	P	P		0340	BD	63	M		
2258	0299	BD	40	C			2302	0341	MR	1577	See #	2311 - 0233	
2259	0300	BD	297	M			2303	0342	BD	987	I		
2260	0301	MR	31	C				0343	BD	737	I		
2261	0233	MR	104	M	P	N	2304	0123	BD	520	M		
	0302	MR	24	M			2305	0344	MR	504	M	P	E
2262	0233	MR	379	See #	2261 - 0233		2306	0345	MR	36	C		
	0304	MR	99	M			2307	0346	BD	48	C		
2266	0305	MR	427	I			2308	0347	BD	218	I		
	0306	MR	163	I			2309	0348	BD	54	C		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2310	0349	BD	24	C			2348	0393	BD	324	M		
2311	0350	MB	2062	M	P	P(GR)	2349	0394	BD	43	C		
2312	0351	MB	238	I	P	N	2350	0395	BD	227	I		
	0352	MB	1140	See #	2312 - 0351		2351	0396	BD	172	I		
2313	0354	BD	13	C			2352	0397	BD	129	C		
2314	0355	BD	552	I			2353	0398	BD	104	C		
2315	0356	BD	252	M			2354	0389	MB	497	I		
2316	0357	MB	891	M	E	E		0399	MB	122	I	P	E (SCS)
2317	0358	BD	67	C				0400	MB	338	I		
2318	0359	MB	556	M				0401	MB	53	I		
2319	0233	MB	137	See #	2261 - 0233			0402	MB	48	I		
	0360	MB	46	M				0404	MB	2	I		
2320	0361	BD	22	C			2355	0405	MB	526	I	P	N
2321	0362	BD	286	M			2357	0479	BD	168	C		
2322	0363	BD	47	C			2358	0407	BD	183	M		
2323	0364	BD	59	C			2359	0408	MB	15	C		
2324	0365	BD	60	C			2360	0409	MB	742	M	P	N
2325	0366	MB	295	M	P	N	2361	0410	BD	24	I		
2326	0367	BD	12	C			2362	0290	MB	222	See #	2250 - 0290	
2327	0368	BD	132	C			2363	0411	BD	108	I		
2328	0369	BD	955	M			2364	0412	BD	9	C		
2329	0370	BD	260	M			2365	0413	BD	36	C		
2330	0371	BD	238	I			2366	0414	BD	11	C		
2331	0372	MB	769	M	P	N	2367	0415	BD	213	M		
2332	0373	MB	270	M			2368	0416	BD	216	M		
2333	0375	MB	179	I	P	N	2369	0417	MB	1054	M	P	N
2334	0376	MB	940	M	E	E	2370	0418	BD	57	C		
	0377	MB	77	See #	2334 - 0376		2371	0419	MB	1087	M	P	P(GR)
2336	0379	MB	720	M	P	N	2372	0420	BD	88	C		
2337	0380	MB	203	I			2373	0421	MB	319	M		
2338	0381	MB	113	I			2374	0422	MB	3450	M	E	E
2339	0382	MB	1571	I	P	N	2375	0423	MB	338	I		
2340	0383	BD	19	C			2376	0424	BD	534	M		
2341	0384	BD	328	I			2377	0425	BD	1044	I	P	P
2342	0385	MB	949	I	E	E	2378	0208	MB	150	M	P	N
	0432	MB	297	See #	2342 - 0385			0426	MB	336	See #	2378 - 0208	
2343	0386	MB	442	M			2379	0014	MB	159	See #	2012 - 0014	
	0600	MB	432	M			2380	0428	MB	20	C		
2344	0387	BD	84	C			2383	0429	BD	173	M		
2345	0388	MB	138	I			2384	0374	MB	510	I		
	0389	MB	387	I	E	E	2385	0142	BD	1748	I		
2346	0390	MB	199	I	P	N	2386	0475	BD	57	C		
	0481	BD	48	C			2387	0476	BD	9	C		
2347	0391	MB	924	I	E	E	2388	0477	BD	34	I		
	0392	MB	330	See #	2347 - 0392		2389	0478	BD	86	C		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2390	0479	MB	534	M			2542	0043	BD	12	C		
2391	0485	BD	50	C			2543	0044	BD	376	M		
2392	0486	BD	14	C			2544	0045	BD	22	C		
2393	0490	BD	9	C			2545	0046	BD	244	M		
2394	0492	BD	7	C			2546	0047	BD	96	C		
2395	0496	BD	35	C			2547	0048	BD	2280	I	P	P
2501	0002	BD	60	M			2548	0049	BD	87	C		
2502	0003	BD	38	C			2549	0050	BD	1308	I	E	E
2503	0004	BD	24	C			2550	0051	BD	639	I	E	E
2504	0005	BD	50	C			2551	0052	BD	980	I	P	P
2505	0006	BD	105	C			2552	0053	BD	123	M		
2506	0007	BD	95	C			2553	0054	BD	64	M		
2507	0008	BD	168	I			2554	0055	BD	84	C		
2508	0009	BD	1309	I			2555	0056	BD	601	I	P	P
2509	0010	BD	587	M			2556	0057	BD	41	C		
2510	0011	BD	12	C			2557	0058	BD	88	M		
2511	0012	BD	60	C			2558	0059	BD	1865	I	P	P
2512	0013	BD	60	C			2559	0060	BD	56	C		
2513	0014	BD	960	M			2560	0061	BD	128	C		
2514	0015	BD	1044	I	P	P	2561	0062	BD	174	C		
2515	0016	BD	165	M			2562	0063	BD	96	M		
2516	0017	BD	442	M			2563	0064	BD	651	M		
2517	0018	BD	334	I			2564	0065	BD	60	C		
2518	0019	BD	164	I			2565	0066	BD	148	I		
2519	0020	BD	120	I			2566	0067	BD	346	M		
2520	0021	BD	100	I			2567	0068	BD	106	C		
2521	0022	BD	185	I			2568	0069	BD	785	I	E	E
2522	0023	BD	185	M			2570	0071	BD	194	M		
2523	0024	BD	20	C			2571	0072	BD	243	I		
2524	0025	BD	38	C			2572	0073	BD	96	C		
2525	0026	BD	5	C			2573	0074	BD	42	I		
2526	0027	BD	447	I			2574	0074	BD	72	See #	2573 - 0074	
2527	0028	BD	168	I			2575	0075	BD	408	I		
2528	0029	BD	361	M			2576	0076	BD	192	I		
2529	0030	BD	156	I			2577	0077	BD	145	M		
2530	0031	BD	114	M			2578	0078	BD	164	C		
2531	0032	BD	87	C			2579	0079	BD	95	C		
2532	0033	BD	470	I			2580	0080	BD	55	C		
2534	0035	BD	322	I			2581	0081	BD	265	M		
2535	0036	BD	171	C			2582	0082	BD	319	I		
2536	0037	BD	180	M			2583	0083	BD	37	I		
2537	0038	BD	83	C			2584	0084	BD	83	I		
2538	0039	BD	162	M			2585	0085	BD	110	M		
2540	0041	BD	16	C			2586	0086	BD	76	C		
2541	0042	BD	164	C			2587	0087	BD	80	M		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2588	0088	BD	238	M			2633	0131	BD	289	I		
2589	0089	BD	97	C			2634	0132	BD	34	C		
2590	0090	BD	221	I	P	P	2635	0133	BD	360	I		
2591	0091	BD	105	I	P	P	2636	0134	BD	114	I		
2592	0092	BD	321	M			2637	0135	BD	84	C		
2593	0093	BD	12	C			2638	0136	BD	86	C		
2594	0094	BD	345	M			2639	0137	BD	740	I		
2595	0095	BD	744	I			2640	0138	BD	95	I		
2596	0096	BD	180	M			2641	0139	BD	144	I		
2597	0097	BD	178	I			2642	0140	BD	281	I		
2598	0098	BD	24	C			2643	0141	BD	99	M		
2599	0099	BD	38	C			2644	0142	BD	36	C		
2600	0100	BD	34	C			2645	0143	BD	72	I		
2601	0101	BD	92	I			2646	0144	BD	48	C		
2602	0102	BD	962	M			2647	0145	BD	111	I		
2603	0103	BD	93	I			2648	0146	BD	236	M		
2604	0104	BD	72	C			2649	0147	BD	844	M		
2605	0105	BD	72	C			2651	0149	BD	336	I	P	P
2606	0106	BD	540	M			2652	0150	BD	70	C		
2607	0107	BD	131	M			2653	0151	BD	60	I		
2608	0108	BD	39	C			2654	0152	BD	34	C		
2609	0074	BD	88	I			2655	0153	BD	84	C		
2610	0074	BD	88	I			2656	0154	BD	267	I		
2611	0109	BD	190	I			2657	0155	BD	237	I		
2612	0110	BD	324	M			2658	0156	BD	167	M		
2613	0111	BD	84	C			2659	0157	BD	103	I		
2614	0112	BD	12	C			2660	0158	BD	276	M		
2615	0113	BD	382	M			2661	0159	BD	248	M		
2616	0114	BD	38	C			2662	0160	BD	12	C		
2617	0115	BD	119	I			2663	0161	BD	195	I		
2618	0116	BD	93	C			2664	0162	BD	174	M		
2619	0117	BD	170	C			2665	0163	BD	97	M		
2620	0118	BD	9	C			2666	0491	BD	178	M		
2621	0119	BD	10	C			2669	0167	BD	97	M		
2622	0120	BD	143	I			2670	0168	BD	411	I		
2623	0121	BD	199	I			2671	0169	BD	471	M		
2624	0122	BD	338	I	P	P	2672	0170	BD	468	I	P	P
2625	0123	BD	44	C			2673	0171	BD	52	C		
2626	0124	BD	505	I	P	P	2674	0172	BD	1082	M		
2627	0125	BD	72	C			2675	0173	BD	16	See #	2514 - 0015	
2628	0126	BD	92	I			2676	0174	BD	247	I	P	P
2629	0127	BD	67	C			2677	0175	BD	216	M		
2630	0128	BD	168	I			2678	0176	BD	212	M		
2631	0129	BD	268	I			2679	0177	BD	470	M		
2632	0130	BD	84	C			2680	0178	BD	277	I		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2682	0180	BD	1183	I	P	P	2731	0229	BD	144	M		
2683	0181	BD	252	M			2732	0230	BD	93	C		
2684	0182	BD	840	See #	2547 - 0048		2733	0231	BD	164	M		
2685	0183	BD	927	See #	2549 - 0050		2734	0232	BD	616	M		
2686	0184	BD	309	See #	2550 - 0051		2735	0233	BD	823	M		
2687	0185	BD	270	I			2736	0234	BD	90	C		
2688	0186	BD	225	M			2737	0235	BD	2722	M	E	E
2689	0187	BD	214	M			2738	0236	BD	765	M	E	E
2690	0188	BD	34	C			2739	0237	BD	144	I		
2691	0189	BD	590	M	P	P		0238	BD	250	I		
2692	0190	BD	142	M			2740	0239	BD	152	M		
2693	0191	BD	116	M			2741	0240	BD	46	C		
2694	0192	BD	698	I			2742	0241	BD	247	M		
2696	0194	BD	142	M			2743	0242	BD	296	I		
2697	0195	BD	198	I			2744	0243	BD	1254	M	P	P
2698	0196	BD	142	I			2745	0244	BD	2349	M	E	E
2699	0197	BD	309	I			2746	0245	BD	89	C		
2700	0198	BD	312	M			2747	0246	BD	4522	See #	2558 - 0059	
2701	0199	BD	157	M			2748	0247	BD	690	M	P	P
2702	0200	BD	391	M			2749	0248	BD	193	I		
2703	0201	BD	98	M			2750	0249	BD	3187	I	E	E
2706	0204	BD	154	I			2751	0250	BD	256	M		
2707	0205	BD	67	C			2752	0251	BD	939	M	E	E
2708	0206	BD	84	C			2753	0252	BD	1603	M		
2709	0207	BD	143	M			2754	0253	BD	5937	M		
2710	0208	BD	88	I			2755	0254	BD	2443	M	E	E
2711	0209	BD	43	I			2756	0255	BD	246	M		
2712	0210	BD	335	M			2757	0256	BD	240	M		
2713	0211	BD	182	M				0257	BD	88	M		
2714	0212	BD	303	M			2758	0258	BD	96	C		
2715	0213	BD	42	M			2759	0259	BD	96	C		
2716	0214	BD	360	M			2761	0261	BD	84	C		
2717	0215	BD	315	M			2762	0262	BD	1093	M	E	E
2718	0216	BD	182	I			2763	0263	BD	2667	M	E	E
2719	0217	BD	204	M			2764	0264	BD	24	C		
2720	0218	BD	212	I			2765	0265	BD	319	M		
2721	0219	BD	189	M			2766	0266	BD	844	M		
2722	0220	BD	554	M			2767	0237	BD	180	See #	2739 - 0237	
2726	0224	BD	212	M			2768	0256	BD	198	See #	2757 - 0256	
	0296	BD	146	M			2769	0256	BD	271	See #	2757 - 0256	
2727	0224	BD	212	M			2770	0293	BD	121	M		
	0225	BD	1409	See #	2727 - 0224		2771	0267	BD	84	C		
2728	0226	BD	1033	I	E	E	2772	0268	BD	4152	I	E	E
2729	0227	BD	831	M				0369	BD	168	M		
2730	0228	BD	144	M			2773	0269	BD	1695	I	E	E

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2774	0270	BD	1845	M	E	E	2816	0313	BD	200	I	P	P
2775	0271	BD	144	C				0314	BD	1102	I	P	P
2776	0256	BD	404	See #	2757 - 0256		2817	0315	BD	642	I	P	P
	0272	BD	1121	I			2818	0316	BD	773	M	P	P
	0293	BD	262	See #	2770 - 0293		2819	0317	BD	812	M		
2777	0273	BD	1209	I			2820	0318	BD	71	C		
2778	0274	BD	1362	I			2821	0319	BD	345	M		
2779	0275	BD	475	M			2822	0320	BD	377	M	P	P
2780	0276	BD	1777	M			2823	0321	BD	182	I		
2781	0277	BD	537	I				0576	BD	750	M	P	P
2782	0278	BD	336	M			2824	0322	BD	84	C		
2783	0279	BD	188	I				0323	BD	721	M	E	E
2784	0280	BD	90	C			2825	0324	BD	224	M		
2785	0281	BD	128	C			2826	0323	BD	785	See #	2824 - 0323	
2786	0282	BD	1041	I	E	E	2827	0325	BD	448	I	P	P
2788	0284	BD	1341	M			2828	0326	BD	752	M	E	E
2789	0285	BD	302	M			2829	0327	BD	519	I	E	E
2790	0286	BD	709	M			2830	0328	BD	355	I		
2791	0287	BD	630	M				0577	BD	368	I		
2792	0288	BD	1703	I	E	E	2831	0329	BD	1034	M	E	E
2793	0289	BD	887	M	E	E	2832	0330	BD	1742	See #	2568 - 0069	
2794	0290	BD	576	M			2833	0331	BD	90	I		
	0293	BD	328	See #	2770 - 0293			0579	BD	25	See #	2813 - 0579	
2795	0291	BD	5	C			2834	0332	BD	35	C		
2796	0292	BD	455	M			2835	0333	BD	295	I		
2797	0369	BD	168	See #	2772 - 0369		2836	0334	BD	466	I		
2798	0287	BD	162	See #	2791 - 0287		2837	0335	BD	81	C		
	0293	BD	131	See #	2770 - 0293		2838	0336	BD	2074	M	E	E
	0294	BD	287	I			2839	0337	BD	242	I		
2801	0297	BD	445	M			2840	0338	BD	163	I		
2802	0298	BD	1772	M	P	P	2841	0339	BD	645	M		
2803	0299	BD	2499	I	E	E	2842	0340	BD	309	I		
2804	0300	BD	1279	I	P	P	2843	0341	BD	790	I		
2805	0301	BD	80	See #	2805 - 0301		2844	0342	BD	30	M		
2806	0302	BD	191	I				0368	BD	248	M		
2807	0303	BD	450	I	E	E	2847	0343	BD	472	M		
2808	0304	BD	1344	See #	2676 - 0174		2848	0344	BD	492	M	P	P
2809	0305	BD	312	M			2849	0345	BD	1073	I		
2810	0306	BD	319	M	P	P	2850	0346	BD	455	I		
2811	0307	BD	129	I			2851	0347	BD	586	M	P	P
2812	0308	BD	75	C			2852	0348	BD	135	M		
2813	0309	BD	68	C			2853	0349	BD	122	I		
	0579	BD	141	M			2854	0310	BD	264	M		
2814	0311	BD	74	C				0350	BD	12	M		
2815	0312	BD	1092	I	P	P	2855	0351	BD	156	I		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2856	0352	BD	260	I			2902	0392	BD	110	I		
	0482	BD	236	I			2903	0393	BD	48	C		
2857	0353	BD	350	M			2904	0394	BD	26	C		
2859	0310	BD	380	See #	2854 - 0310		2905	0395	BD	11	C		
	0354	BD	47	M			2906	0392	BD	110	See #	2902 - 0392	
2860	0355	BD	466	I			2907	0397	BD	183	M		
2861	0356	BD	1239	I	E	E	2908	0398	BD	97	C		
2862	0357	BD	749	M			2909	0399	BD	28	C		
2863	0358	BD	11	C			2910	0400	BD	202	M		
2864	0484	BD	109	I			2911	0401	BD	1115	I	P	P
2865	0359	BD	754	M			2912	0402	BD	56	C		
2866	0367	BD	460	M			2913	0403	BD	57	C		
2867	0483	BD	268	M			2914	0404	BD	144	C		
2868	0360	BD	81	I			2915	0405	BD	298	M		
2869	0341	BD	922	See #	2843 - 0341		2916	0406	BD	13	C		
	0361	BD	175	C			2917	0407	BD	40	C		
2870	0370	BD	3	C			2918	0408	BD	161	C		
2871	0341	BD	413	See #	2843 - 0341		2919	0409	BD	10	C		
2872	0362	BD	780	I			2920	0410	BD	27	C		
2873	0363	BD	2404	I	E	E	2921	0411	BD	32	C		
2874	0364	BD	510	M			2922	0412	BD	243	M		
2875	0365	BD	530	M			2923	0413	BD	24	C		
2876	0366	BD	147	I			2925	0415	BD	75	M		
2877	0578	BD	603	I				0438	BD	451	See #	2895 - 0438	
2881	0373	BD	24	C				0439	BD	11	M		
2882	0372	BD	4	C				0440	BD	684	M		
2884	0374	BD	20	C			2926	0416	BD	192	M		
2885	0375	BD	10	C			2927	0417	BD	24	C		
2886	0376	BD	70	C			2928	0418	BD	11	C		
2887	0377	BD	24	C			2929	0419	BD	94	M		
2888	0378	BD	193	M			2930	0420	BD	30	C		
2889	0379	BD	108	C			2931	0421	BD	12	C		
2890	0380	BD	18	C			2932	0422	BD	293	M	P	P
2891	0381	BD	147	C			2933	0423	BD	60	C		
2892	0382	BD	83	C			2934	0424	BD	152	M		
2893	0383	BD	14	C			2935	0425	BD	89	I		
2894	0384	BD	20	C			2936	0426	BD	100	I		
2895	0385	BD	69	I			2937	0427	BD	648	M		
	0438	BD	217	M			2938	0428	BD	27	C		
2896	0386	BD	552	I			2939	0429	BD	48	C		
2897	0387	BD	115	C			2940	0430	BD	63	C		
2898	0388	BD	20	C			2941	0431	BD	177	M	P	P
2899	0389	BD	74	C			2942	0432	BD	76	C		
2900	0390	BD	34	C			2943	0433	BD	36	C		
2901	0391	BD	33	C			2944	0434	BD	416	M		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
2945	0435	BD	24	C			2999	0489	BD	5	C		
2946	0436	BD	3216	M	E	E	3000	0490	BD	22	C		
2947	0437	BD	10	C			3001	0491	BD	20	C		
2948	0441	BD	11	M			3002	0492	BD	8	C		
2949	0442	BD	39	C			3003	0493	BD	317	M		
2951	0441	BD	153	M			3004	0494	BD	1202	M	P	P
2952	0442	BD	100	C			3005	0495	BD	165	M	P	P
2953	0443	BD	29	C			3006	0496	BD	188	M	P	P
2954	0444	BD	92	C			3008	0498	BD	111	C		
2955	0445	BD	122	C			3010	0500	BD	752	M	P	P
2956	0446	BD	138	M			3011	0501	BD	16	C		
2957	0447	BD	312	I	P	P	3012	0502	BD	70	C		
2958	0448	BD	424	M	P	P	3013	0503	BD	13	C		
2960	0450	BD	1271	See # 2960 - 0450			3014	0504	BD	303	M		
2961	0451	BD	28	C			3015	0505	BD	321	M		
2962	0452	BD	58	C			3016	0506	BD	23	C		
2963	0453	BD	25	C			3017	0507	BD	64	C		
2964	0454	BD	92	M			3018	0508	BD	32	C		
2965	0455	BD	30	C			3020	0510	BD	23	C		
2966	0456	BD	26	C			3021	0511	BD	12	C		
2967	0457	BD	50	C			3022	0512	BD	84	M		
2968	0458	BD	82	C			3023	0513	BD	46	C		
2969	0459	BD	23	C			3024	0514	BD	138	M		
2971	0461	BD	99	I			3025	0515	BD	184	M	P	P
2972	0462	BD	59	C			3026	0516	BD	137	C		
2973	0463	BD	68	C			3027	0517	BD	10	C		
2974	0464	BD	115	C			3028	0518	BD	30	C		
2976	0466	BD	24	C			3029	0519	BD	77	C		
2977	0467	BD	64	C			3030	0520	BD	41	C		
2978	0468	BD	134	C			3031	0521	BD	30	C		
2979	0469	BD	53	C			3032	0522	BD	202	M	P	P
2980	0470	BD	270	M			3033	0523	BD	214	M		
2981	0471	BD	268	M			3034	0524	BD	188	M		
2982	0472	BD	188	M			3037	0527	BD	46	C		
2983	0473	BD	330	M			3038	0528	BD	96	I		
2986	0476	BD	24	C			3039	0529	BD	42	C		
2987	0477	BD	79	M			3040	0530	BD	23	C		
2988	0478	BD	20	C			3041	0531	BD	122	C		
2990	0480	BD	50	C			3042	0532	BD	92	C		
2991	0481	BD	167	M			3043	0533	BD	133	I		
2993	0483	BD	288	M			3044	0534	BD	240	M		
2994	0484	BD	1225	M	P	P	3045	0535	BD	80	C		
2995	0485	BD	320	M	P	P	3046	0536	BD	69	C		
2997	0487	BD	107	C			3049	0539	BD	16	C		
2998	0488	BD	72	C			3050	0540	BD	54	C		

1	2	3	4	5	6	7	1	2	3	4	5	6	7
3051	0541	BD	40	C				0846	BD	358	M	P	P
3052	0542	BD	121	I			6373	0836	BD	99	See #	6363 -	0836
3053	0543	BD	154	C				0846	BD	229	See #	6372 -	0846
3054	0544	BD	272	M	P	P	6374	0114	BD	75	M		
3055	0545	BD	629	I			6375	0847	BD	1056	M	P	P
3056	0546	BD	1726	M	P	P	6376	0848	BD	155	M		
3057	0547	BD	41	C			6377	0849	BD	602	M	P	P
3058	0548	BD	792	M	P	P		0850	BD	176	M		
3059	0549	BD	248	C	P	N							
3060	0550	BD	20	C									
3062	0552	BD	26	C									
3063	0553	BD	53	C									
3064	0554	BD	30	C									
3065	0555	BD	79	C									
3066	0556	BD	97	C									
3070	0560	BD	40	C									
3071	0561	BD	14	C									
3072	0562	BD	328	M									
3073	0563	BD	14	C									
3074	0564	BD	9	C									
3075	0565	BD	15	C									
3076	0566	BD	12	C									
3077	0567	BD	14	C									
3078	0568	BD	13	C									
3079	0569	BD	13	C									
3080	0570	BD	6	C									
3081	0571	BD	11	C									
3082	0572	BD	11	C									
3083	0573	BD	210	M									
3084	0487	BD	11	C									
3085	0497	BD	347	I	P	P							
3086	0498	BD	11	C									
6351	0821	BD	143	M									
6352	0825	BD	25	C									
6353	0826	BD	139	M									
6344	0828	BD	386	M									
6356	0829	BD	58	C									
6358	0831	BD	97	M									
6359	0832	BD	52	C									
6360	0833	BD	8	C									
6361	0834	BD	851	M									
6362	0835	BD	72	C									
6363	0836	BD	504	M									
6364	0837	BD	207	M									
6372	0836	BD	54	See #	6363 -	0836							

TABLE 3
MONITORING PLAN MATRIX

This matrix displays the types, frequency and responsibility for monitoring resources in the Big Dry Area. Intensive monitoring of areas selected for comparison will provide bench mark or control data for specific or general area monitoring. Monitoring will consist of analysis of data collected by BLM and, in some cases, by other agencies or individuals. Concern areas include (but are not limited to): severe erosion potential areas, floodplains, crucial wildlife winter ranges, riparian zones and woody draws, wetland and aquatic areas, AMPs and low condition areas.

ELEMENT	DISCIPLINES WITH MONITORING INTERESTS				FREQUENCY	RESPONSIBILITY
	RANGE	SOILS	WATERSHED	WILDLIFE		
Soils						
Nutrients		X			Annual	Soils
Productivity	X	X		X	Annual	Range
Soil Moisture	X	X			Monthly during growing season	Soils
Physical Properties		X			Annual	Soils
Water						
Ground			X		Quarterly	USGS and State
Surface					Monthly during flow periods	USGS, State, Watershed
Flow			X	X		
Quality	X		X	X		
Sediment			X	X		
Vegetation						
Utilization/Carryover	X	X	X	X	Annual/Semi Annual	Range/Wildlife
Condition	X		X	X	End of grazing cycle but not less than 5 years	Range/Wildlife
Ecological	X	X	X	X		
Habitat	X			X		
Trend	X			X	End of grazing cycle but not less than 5 years	Range/Wildlife
Actual Use	X				Annual	Range
Productivity	X	X	X	X	End of grazing cycle but not less than 5 years	Range
Density	X	X	X	X	End of grazing cycle but not less than 5 years	Range/Wildlife
Climate	X	X	X	X	As needed	Primarily NOAA
Animals (Wildlife, Livestock)	X			X	Annual & 3 year cycle	Operators and MTDWFP

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BORROWER

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1982

DATE LOANED	BORROWER

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